142-TYPE AMPLIFIERS
INITIAL AND ROUTINE TESTS

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1. GENERAL

1.01 This section specifies the initial and routine tests which should be made on 142-type amplifiers. Information on the recommended frequency of the routine maintenance tests is also included. The detailed procedure and general testing requirements are covered in Section 024-106-500.

1.02 In addition to the initial and routine tests, other tests may be required as a result of trouble reports. The particular tests required in such cases must be determined by the character of the reported trouble.

1.03 It may be necessary to make arrangements with the customer for release of the amplifier for routine or trouble clearing tests. The customer should be informed of the expected duration of the tests, and notified upon their completion.

2. AMPLIFIER TESTS

2.01 Tests on 142-type amplifiers are specified in Table 1. If trouble in the amplifier is indicated, the tubes should be replaced first, or tested, depending upon the use and location of the amplifier. Further tests are listed in Table 1 for trouble investigation.

Table 1

Initial and Routine Tests - 142-Type Amplifiers

Test	Initial	Routine	Parts in Section 024-106-500 Which Apply for Methods and Requirements
Primary Power Voltage Measurement and Adjustment	X	-	2(A)
Electron Tubes	X	6 Mos.	2(B)
Gain and Gain-Frequency Tests	X	-	2(C)
Noise	X	-	2(D)

The following additional tests should be made AS REQUIRED, for trouble investigations:

Test	
Preliminary Trouble Locating	2(E)
Operating Voltage Measurements	2(F)
Electrolytic Capacitors	2(G)

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